APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/879,133	06/13/2001	Shinichirou Eda	1080.1097	3908

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STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
RONES, CHARLES

ART UNIT	PAPER NUMBER
2175	

DATE MAILED: 09/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

	Application No.	Applicant(s)
Office Action Summary	09/879,133	EDA ET AL.
	Examiner	**Art Unit**
	Charles L. Rones	2175

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>11 March 2003</u> .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-6</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-6</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____ .

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)   4)☐ Interview Summary (PTO-413) Paper No(s). _____ .
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)   5)☐ Notice of Informal Patent Application (PTO-152)
3)☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .   6)☐ Other: .

DETAILED ACTION

Amendements

The amendments timely filed on June 13, 2001 and March 11, 2002 have been

entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Bannon

et al. U. S. Patent No. 5,297,279 ('Bannon').

Bannon discloses:

As to claim 1,

RDB definition information extracting means for extracting RDB definition

information from an RDB repository describing therein definition information of the

relational database which is a transition object to the object database; See 6:23-54; 8:1-

33; 10:1-21; 26:40-67; and

repository creating means for creating an ODB repository describing therein

definition information of the object database associated with the RDB definition

information in accordance with the RDB definition information extracted by said RDB

definition information extracting means and for creating correlation information

repository defining mutual relationship between the RDB definition information and ODB

definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 2,

wherein said database transition system further comprises data transition means

for converting data of the relational database into the object database in accordance

with the correlation information repository created by said repository creating means;

See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 3,

wherein said database transition system further comprises application program

conversion means for converting an application program described in a relational

database based language into an application program described in an object database

based language in accordance with the correlation information repository created by

said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 4,

RDB definition information extracting means for extracting RDB definition

information from an RDB repository describing therein definition information of the

relational database which is a transition object to the object database; See 6:23-54; 8:1-

33; 10:1-21; 26:40-67; and

repository creating means for creating an ODB repository describing therein

definition information of the object database associated with the RDB definition

information in accordance with the RDB definition information extracted by said RDB

definition information extracting means and for creating correlation information

repository defining mutual relationship between the RDB definition information and ODB

definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 5,

wherein said database transition processing program further comprises data

transition means for converting data of the relational database into the object database

in accordance with the correlation information repository created by said repository

creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 6,

wherein said database transition processing program further comprises

application program conversion means for converting an application program

conversion means for converting an application program described in a relational

database based language into an application program described in an object database

based language in accordance with the correlation information repository created by

said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Charles L. Rones whose telephone number is 703-306-

3030. The examiner can normally be reached on Monday-Thursday 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-305-

3800.

Charles L. Rones
Primary Examiner
Art Unit 2175